

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

AP20 Rec'd PCT/PTO 17 NOV 2005

Applicants : COSTA, et al.

U.S. Serial No. : Not Yet Known, National Stage application
of International Application No.
PCT/IT2004/000284, filed May 19, 2004,
claiming priority of Italian Application
No. RM2003A000247, filed May 20, 2003

Filed : Herewith

For : HYPOALLERGENIC VARIANTS OF THE PARIETARIA
JUDAICA MAJOR ALLERGENS, USES THEREOF
AND COMPOSITIONS COMPRISING THEM

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November 17, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Mail Stop Patent Application

Sir/Madam:

INFORMATION DISCLOSURE STATEMENT

In accordance with their duty of disclosure under 37 C.F.R. §1.56, Applicants would like to direct the Examiner's attention to the following references which are listed below and on Forms PTO/SB/08A and PTO/SB/08B (which are attached hereto as **Exhibit A**), and each individual reference further attached as **Exhibits 1** through **10**.

1. PCT International Search Report for COSTA, et al., Int'l Application No. PCT/IT2004/000284, Filed May 19, 2004, Dated September 23, 2004 [**Exhibit 1**]
2. CORBI, et al., "Identification of IgE Binding Polypeptides Cross-Reactive With the Parietaria Judaica Main Allergenic Polypeptide", Molecular Immunology, Vol. 23, No. 12, Pages 1357-1363 (1986) [**Exhibit 2**]

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3. COLOMBO, et al., "Identification of an Immunodominant IgE Epitope of the Parietaria judaica Major Allergen", The Journal of Immunology, Vol. 160, Pages 2780-2785 (1998) [Exhibit 3]
4. International Application Publication Number WO 02/22674 A2 for Consiglio Nazionale Delle Ricerche, Published March 21, 2002, "Variants of the Major Allergen Par j 2 Of Parietaria Judaica" [Exhibit 4]
5. International Application Publication Number WO 02/20790 A1 for Consiglio Nazionale Delle Ricerche, Published March 14, 2002, for "Parietaria Judaica NS-LTP Antigen Variants, Uses Thereof and Compositions Comprising Them" [Exhibit 5]
6. Paolo COLOMBO, "Hypoallergenic Variants of the Parietaria judaica Major Allergen Par j 1: In vitro and in vivo Evaluation", Arbeiten Aus Dem Paul-Ehrlich-Institut (Bundesamt Fur Sera Und Impfstoffe) Zu Frankfurt A.M., No. 94, Pages 198-203 [Exhibit 6]
7. COLOMBO, et al., "The Allergens of Parietaria", International Archives of Allergy and Immunology, Vol. 130, No. 3, Pages 173-179 [Exhibit 7]
8. BONURA, et al., "Hypoallergenic Variants of the Parietaria judaica Major Allergen Par j 1: A Member of the Non-Specific Lipid Transfer Protein Plant Family", International Archives of Allergy and Immunology, Vol. 126, No. 1, Pages 32-40 [Exhibit 8]
9. European Patent Application Number EP 1 219 301 A1 for SHAN-Beteiligungsgesellschaft m.b.H., July 3, 2002, "Vaccines

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containing hybrid polypeptides consisting of at least two different allergenic proteins". [Exhibit 9]

10. VRTALA, et al., "Genetic Engineering of a hypoallergenic trimer of the major birch pollen allergen Bet v 1¹", Vol. 15, No. 11, Pages 2045-2047 [Exhibit 10]

If a telephone interview would be of assistance in advancing the prosecution of the subject application, Applicant's undersigned attorney invites the Examiner to telephone him at the number provided below.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 50-1891.

Respectfully submitted,

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Sheet	1	of	2
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Complete if Known

Application Number	Not Yet Known
Filing Date	Herewith
First Named Inventor	Maria Assunta COSTA
Art Unit	Not Yet Known
Examiner Name	Not Yet Known
Attorney Docket Number	1136-PCT-US

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	4	WO 02/22674 A2	03-21-2002	Consiglio Nazionale Delle Ricerche		
	5	WO 02/20790 A2	03-14-2002	Consiglio Nazionale Delle Ricerche		
	9	EP 1 219 301 A1	07-03-2002	SHAN- Beteiligungsgesellschaft m.b.H.		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. .

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	Not Yet Known 10/557586
		Filing Date	Herewith
		First Named Inventor	Maria Assunta COSTA
		Art Unit	Not Yet Known
		Examiner Name	Not Yet Known
Sheet 2 of 2	Attorney Docket Number	1136-PCT-US	

OTHER PRIOR ART–NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	PCT International Search Report for COSTA, et al., Int'l Application No. PCT/IT2004/000284, Filed May 19, 2004, Dated September 23, 2004	
	2	CORBI, et al., "Identification of IgE Binding Polypeptides Cross-Reactive With the Parietaria Judaica Main Allergenic Polypeptide", Molecular Immunology, Vol. 23, No. 12, Pages 1357-1363 (1986)	
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	6	Paolo COLOMBO, "Hypoallergenic Variants of the Parietaria judaica Major Allergen Par j 1: In vitro and in vivo Evaluation", Arbeiten Aus Dem Paul-Ehrlich-Institut(Bundesamt Fur Sera Und Impfstoffe)Zu Frankfurt A.M., No. 94, Pages 198-203	
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	10	VRTALA, et al., "Genetic Engineering of a hypoallergenic trimer of the major birch pollen allergen Bet v 11", Vol. 15, No. 11, Pages 2045-2047	

Examiner Signature	Date Considered
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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